

**Amendments to the Claims**

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (currently amended) A planetary transmission for a bicycle, comprising:

a first rotatable ~~unbalanced~~ element, which is an unbalanced element, as a receiver of power from a foot's muscular energy and gravitational energy, converting both of them into mechanical energy for transmitting the driving power via ~~a the one-way directional~~ second, ~~one-way-directional~~ rotatable element, and ~~the a~~ third opposing rotatable element to ~~the a~~ driving sprocket of a bicycle, which is attached to the third element and freely rotates with this third element on a crank's crank axle for transmitting of the driving power via a chain to a free wheel and then to a drive wheel of a bicycle, where the bicycle is in a course of forward motion from the pedals, and the first rotatable element, being connected to the crank by means of a leading axle, rotates clockwise together with the crank's crank axle ~~under the foot's muscular energy and the earth gravity~~ into positive zone of rotation, and ~~under the inertial energy~~

~~supported by foot's muscular energy~~ in the negative zone of rotation, where the inertial energy is appearing, due to the increased speed of rotation in the positive (active) zone of rotation, and at the same time the first element rotates counter-clockwise around its own axis of rotation together with the leading axle, ~~powered by the foot muscles and the displaced unbalanced mass~~, while the second rotatable element being connected to the first rotatable element by means of the overrunning clutch, and also connected to the third element by means of tothing, rotates clockwise around the third element and around the crank's axes of rotation, and powered the same way as the first element on its clockwise rotation, and at the same time the second element rotates counter-clockwise around its own axle of rotation, powered the same way as the first element on its counter-clockwise rotation, and consequently, makes the third element with the driving sprocket on it, rotate faster ~~the usual system (meaning the system~~ than ~~without the~~ this transmission) using the same muscular energy.

7. (currently amended) A method of obtaining higher riding speed comprising the steps of:

- placing a first rotatable element on a crank,
- placing a second rotatable element, which is a one-way directional element, on the first element, connecting the first element and the second element to one another by means of an over-running clutch,
- placing the third element on the crank's crank axle for free rotation on it,
- attaching the crank ~~crank's~~ to the crank's crank axle for rotation together with it,

-rotating the first element, powered by a foot's muscular energy and gravitational energy and converting that energy into mechanical energy for transmission of driving power, via the a second rotatable ~~one-way-directional~~ element to a third opposing rotatable element, which ~~is~~ together with a driving sprocket freely rotates on the ~~crank's~~ crank axle wherein the crank, which is being connected to the ~~crank's~~ crank axle, rotates clockwise together with the first element, the first and the second elements at the same time rotate counter-clockwise around their own axes of rotation together within the leading axle, which connects the first element to ~~and the crank to each other~~, the second rotatable element being connected to the first and to the third elements ~~at the same time, and making makes~~ the third element, ~~as well as~~ and the driving sprocket of ~~the bicycle rotates~~ rotate faster ~~than usual~~ than when driving sprocket rotates together with the ~~crank's~~ crank axle under the same ~~equal~~ power conditions.

8. (currently amended) The planetary transmission of claim 6, wherein the first rotatable element is a gravitational pedal ~~as a receiver of energy from earth gravity and energy from foot muscles~~.

9. (currently amended) The planetary transmission of claim 6, wherein the third element is a sun disk with a chainomatic periphery instead of a gear periphery, and wherein while the second element is a satellite sprocket, combined with an overrunning clutch for ~~one-way-directional kinematics interaction with a sun disk by means of the chainomatic periphery~~.